

COFE



DOCKET NO.: S1022.80628US00

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Luc WUIDART  
Serial No.: 09/853,890 Patent No. 6,879,246 B2  
Filed: May 11, 2001 Issued: April 12, 2005  
For: EVALUATION OF THE NUMBER OF ELECTROMAGNETIC  
TRANSPONDERS IN THE FIELD OF A READER  
Examiner: Brian A. Zimmerman  
Art Unit: 2635 Confirmation No.: 6158

ATTN: Certificate of Correction Branch  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Certificate  
JUN 13 2005  
of Correction

Sir/Madam:

Transmitted herewith for filing is/are the following document(s):

- ☒ Request for Certificate of Correction
- ☒ Copies of: Utility Trans; Declaration; Title Page of U.S. Patent No. 6,879,246
- ☒ PTO Form SB/44
- ☒ Return Post Card

If the enclosed papers are considered incomplete, the Mail Room and/or the Application Branch is respectfully requested to contact the undersigned collect at (617) 646-8000, Boston, Massachusetts.

No check is enclosed. If it is determined that a fee is necessary, the fee may be charged to the account of the undersigned, Deposit Account No. 23/2825. A duplicate of this sheet is enclosed.

CERTIFICATE OF MAILING UNDER 37 C.F.R. §1.8(a)

I hereby certify that this document is being placed in the United States mail with first-class postage attached, addressed to Certificate of Correction Branch, Commissioner for Patents P.O. Box 1450, Alexandria, VA 22313-1450 on the 6th day of June, 2005.

Attorney Docket No.: S1022.80672US00  
**XNDD**

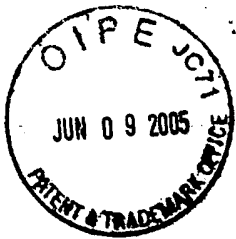
Respectfully submitted,

*Luc Wuidart, Applicant*

By:

James H. Morris  
Reg. No.: 34,681  
WOLF, GREENFIELD & SACKS, P.C.  
600 Atlantic Avenue  
Boston, Massachusetts 02210  
Tel. (617) 646-8000

JUN 13 2005



DOCKET NO.: S1022.80628US00

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Luc WUIDART  
Serial No.: 09/853,890 Patent No. 6,879,246 B2  
Filed: May 11, 2001 Issued: April 12, 2005  
For: EVALUATION OF THE NUMBER OF ELECTROMAGNETIC  
TRANSPONDERS IN THE FIELD OF A READER  
Examiner: Brian A. Zimmerman  
Art Unit: 2635 Confirmation No.: 6158

ATTN: Certificate of Correction Branch  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir/Madam:

Transmitted herewith for filing is/are the following document(s):

- ☒ Request for Certificate of Correction
- ☒ Copies of: Utility Trans; Declaration; Title Page of U.S. Patent No. 6,879,246
- ☒ PTO Form SB/44
- ☒ Return Post Card

If the enclosed papers are considered incomplete, the Mail Room and/or the Application Branch is respectfully requested to contact the undersigned collect at (617) 646-8000, Boston, Massachusetts.

No check is enclosed. If it is determined that a fee is necessary, the fee may be charged to the account of the undersigned, Deposit Account No. 23/2825. A duplicate of this sheet is enclosed.

**CERTIFICATE OF MAILING UNDER 37 C.F.R. §1.8(a)**

I hereby certify that this document is being placed in the United States mail with first-class postage attached, addressed to Certificate of Correction Branch, Commissioner for Patents P.O. Box 1450, Alexandria, VA 22313-1450 on the 6th day of June, 2005.

Attorney Docket No.: S1022.80672US00  
**XNDD**

Respectfully submitted,

*Luc Wuidart, Applicant*

By:

James H. Morris  
Reg. No.: 34,681  
WOLF, GREENFIELD & SACKS, P.C.  
600 Atlantic Avenue  
Boston, Massachusetts 02210  
Tel. (617) 646-8000



DOCKET NO.: S1022.80628US00

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Luc WUIDART  
Serial No.: 09/853,890 Patent No. 6,879,246 B2  
Filed: May 11, 2001 Issued: April 12, 2005  
For: EVALUATION OF THE NUMBER OF ELECTROMAGNETIC  
TRANSPONDERS IN THE FIELD OF A READER  
Examiner: Brian A. Zimmerman  
Art Unit: 2635 Confirmation No.: 6158

ATTN: Certificate of Correction Branch  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

**REQUEST FOR CERTIFICATE OF CORRECTION**

Sir/Madam:

Patentee respectfully requests the correction of an error found in the above-captioned patent. Specifically, the identification of the priority application and the title page of U.S. Patent No. 6,897,133 B2 is incorrect.

The information contained on the Utility Patent Application Transmittal and Declaration and Power of Attorney identified the priority application as French. On the title page of US Patent No. 6,879,246 however, the priority application is identified as British. Patentee requests a Certificate of Correction to read as shown below:

**(30) Foreign Application Priority Data**  
May 12, 2000 (FR).....0006065

Support for the requested correction can be found in enclosed, highlighted copy of the Utility Patent Application Transmittal and Declaration and Power of Attorney. Also enclosed is copy of the title page of US Patent No. 6,879,246 and PTO form SB/44.

The correction requested does not involve change in the patent that constitutes new matter or would require reexamination. Therefore, it is respectfully requested that the correction be made and that a Certificate of Correction be issued.

Patentees respectfully submit that, since the error for which a Certificate of Correction is sought was the result of Patent Office mistake, no fee is due. However, if the Examiner deems a

Serial No.: 09/853,890  
Confirmation No.: 6158

- 2 -

Art Unit: 2635

fee necessary, the fee may be charged to the account of the undersigned, Deposit Account No. 23/2825.

Should any questions arise concerning the foregoing, please contact the undersigned at the telephone number listed below.

**CERTIFICATE OF MAILING UNDER 37 C.F.R. §1.8(a)**

I hereby certify that this document is being placed in the United States mail with first-class postage attached, addressed to Certificate of Correction Branch, Commissioner for Patents P.O. Box 1450, Alexandria, VA 22313-1450 on the 6<sup>th</sup> day of June, 2005.



Attorney Docket No.: S1022.80672US00  
**XNDD**

Respectfully submitted,

*Luc Wuidart, Applicant*

By: 

James H. Morris  
Reg. No.: 34,681  
WOLF, GREENFIELD & SACKS, P.C.  
600 Atlantic Avenue  
Boston, Massachusetts 02210  
Tel. (617) 646-8000



DOCKET NO.: S1022.80628US00

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Luc WUIDART  
Serial No.: 09/853,890 Patent No. 6,879,246 B2  
Filed: May 11, 2001 Issued: April 12, 2005  
For: EVALUATION OF THE NUMBER OF ELECTROMAGNETIC  
TRANSPONDERS IN THE FIELD OF A READER  
Examiner: Brian A. Zimmerman  
Art Unit: 2635 Confirmation No.: 6158

ATTN: Certificate of Correction Branch  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

**REQUEST FOR CERTIFICATE OF CORRECTION**

Sir/Madam:

Patentee respectfully requests the correction of an error found in the above-captioned patent. Specifically, the identification of the priority application and the title page of U.S. Patent No. 6,897,133 B2 is incorrect.

The information contained on the Utility Patent Application Transmittal and Declaration and Power of Attorney identified the priority application as French. On the title page of US Patent No. 6,879,246 however, the priority application is identified as British. Patentee requests a Certificate of Correction to read as shown below:

**(30) Foreign Application Priority Data**  
May 12, 2000 (FR).....0006065

Support for the requested correction can be found in enclosed, highlighted copy of the Utility Patent Application Transmittal and Declaration and Power of Attorney. Also enclosed is copy of the title page of US Patent No. 6,879,246 and PTO form SB/44.

The correction requested does not involve change in the patent that constitutes new matter or would require reexamination. Therefore, it is respectfully requested that the correction be made and that a Certificate of Correction be issued.

Patentees respectfully submit that, since the error for which a Certificate of Correction is sought was the result of Patent Office mistake, no fee is due. However, if the Examiner deems a

Serial No.: 09/853,890  
Confirmation No.: 6158

- 2 -

Art Unit: 2635

fee necessary, the fee may be charged to the account of the undersigned, Deposit Account No. 23/2825.

Should any questions arise concerning the foregoing, please contact the undersigned at the telephone number listed below.

**CERTIFICATE OF MAILING UNDER 37 C.F.R. §1.8(a)**

I hereby certify that this document is being placed in the United States mail with first-class postage attached, addressed to Certificate of Correction Branch, Commissioner for Patents P.O. Box 1450, Alexandria, VA 22313-1450 on the 6<sup>th</sup> day of June, 2005.

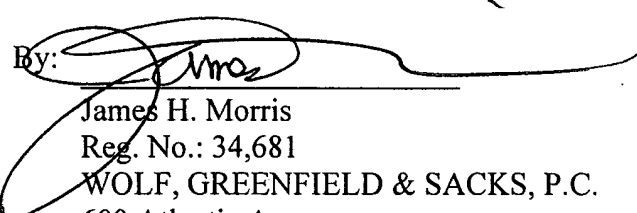


Attorney Docket No.: S1022.80672US00  
**XNDD**

Respectfully submitted,

*Luc Wuidart, Applicant*

By:



James H. Morris

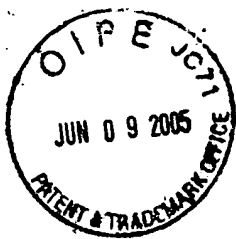
Reg. No.: 34,681

WOLF, GREENFIELD & SACKS, P.C.

600 Atlantic Avenue

Boston, Massachusetts 02210

Tel. (617) 646-8000



# Declaration and Power of Attorney for Patent Application

## Déclaration et Pouvoirs pour Demande de Brevet

### French Language Declaration

En tant que l'inventeur nommé ci-après, je déclare par le présent acte que:

Mon domicile, mon adresse postale, et ma nationalité sont ceux figurant ci-dessous à côté de mon nom.

Je crois être le premier inventeur original et unique (si un seul nom est mentionné ci-dessous), ou l'un des premiers co-inventeurs originaux (si plusieurs noms sont mentionnés ci-dessous) de l'objet revendiqué, pour lequel une demande de brevet a été déposée concernant l'invention intitulée:

EVALUATION OF THE NUMBER OF ELECTROMAGNETIC TRANSPONDERS

IN THE FIELD OF A READER

et dont la description est fournie ci-joint à moins que la case suivante n'ait été cochée:

☐ a été déposée le \_\_\_\_\_ sous  
le numéro de demande des Etats-Unis ou le  
numéro de demande international PCT

☐ les spécifications portant le dossier de l'avocat  
numéro \_\_\_\_\_

et modifiée le \_\_\_\_\_  
(le cas échéant).

Je déclare par le présent acte avoir passé en revue et compris le contenu de la description ci-dessus, revendications comprises, telles que modifiées par toute modification dont il aura été fait référence ci-dessus.

Je reconnais devoir divulguer toute information pertinente à la brevetabilité, comme défini dans le Titre 37, §1.56 du Code fédéral des réglementations.

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated next to my name.

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled

the specification of which is attached hereto unless one of the following boxes is checked:

☒ was filed on May 11, 2001  
as United States Application Number 09/853,890  
~~International Number~~

☐ the specification of which bears attorney  
docket No. \_\_\_\_\_

and was amended on \_\_\_\_\_  
(if applicable).

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose information which is material to patentability as defined in Title 37, Code of Federal Regulations, §1.56.

19. If a CONTINUING APPLICATION, check appropriate box and supply the requisite information below and in the body of the application, or a preliminary amendment, or in an Application Data Sheet under 37 CFR 1.76:

☐ Continuation ☐ Divisional ☐ Continuation-in-part (CIP) of prior application No.: \_\_\_\_\_, filed on \_\_\_\_\_, entitled \_\_\_\_\_ and now \_\_\_\_\_.

☐ Cancel in this application claims \_\_\_\_\_ before calculating the filing fee.

☐ Amend the specification by inserting before the first line of the specification on page 1, after the title, the following:

--This application is a ☐ Continuation ☐ Divisional ☐ Continuation-in-part (CIP) of prior application No.: \_\_\_\_\_, filed on \_\_\_\_\_, entitled \_\_\_\_\_ and now \_\_\_\_\_.--

Prior application information: Examiner \_\_\_\_\_ Group Art Unit: \_\_\_\_\_

For CONTINUATION OR DIVISIONAL APPS only: The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 5b, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts.

## 20. CORRESPONDENCE ADDRESS

Correspondence address below

CUSTOMER NUMBER:



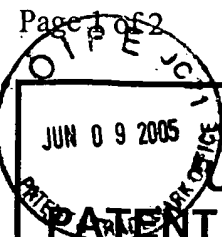
**23628**

OR

ATTORNEY'S NAME	James H. Morris, Reg. No. 34,681				
FIRM NAME	Wolf, Greenfield & Sacks, P.C.				
ADDRESS	600 Atlantic Avenue				
CITY	Boston	STATE	MA	ZIP	02210
COUNTRY	USA	TELEPHONE	(617) 720-3500	FAX	(617) 720-2441
20. SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT REQUIRED					
NAME	James H. Morris, Reg. No. 34,681				
SIGNATURE					
DATE	May 11, 2001				

JUN 13 2005





<b>UTILITY PATENT APPLICATION TRANSMITTAL</b>  (Only for new nonprovisional applications under 37 CFR 1.53(b))	Attorney Docket No.	<b>S1022/8628</b>
	First Named Inventor or Application Identifier	
	<b>S1022/8628</b>	
	Express Mail Label No.	<b>EL 844 512 699 US</b>
	Date of Deposit	<b>May 11, 2001</b>

<b>APPLICATION ELEMENTS</b> See MPEP chapter 600 concerning utility patent application contents	<b>ADDRESS</b> TO: Box Patent Application Commissioner for Patents Washington, DC 20231
1. <input type="checkbox"/> Fee Transmittal Form (Submit an original, and a duplicate for fee processing)  2. <input type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27. <input type="checkbox"/> Statement filed in prior application, status still proper and desired.  3. <input checked="" type="checkbox"/> Specification -Total pages 25 22 - pages description 1 - pages abstract 2 - pages claims                      8 - Total claims  4. <input checked="" type="checkbox"/> Drawing(s) (35 USC 113)    5- Total sheets <input type="checkbox"/> Informal <input checked="" type="checkbox"/> Formal - Total drawings 1-8  5. <input type="checkbox"/> Oath or Declaration                      - Total pages a. <input type="checkbox"/> Newly executed (original or copy) b. <input type="checkbox"/> Copy from a prior application (37 CFR 1.63(d)) (for continuation/divisional with Box 18 completed) [Note Box 6 below] i. <input type="checkbox"/> <b>DELETION OF INVENTOR(S)</b> Signed statement attached deleting inventor(s) named in the prior application, see 37 CFR 1.63(d)(2) and 1.33(b).  6. <input type="checkbox"/> Incorporation by Reference (usable if Box 5b is checked) The entire disclosure of the prior application, from which a copy of the oath or declaration is supplied under Box 5b, is considered as being part of the disclosure of the accompanying application and is hereby incorporated by reference therein. See 19.  7. <input type="checkbox"/> Application Data Sheet, See 37 CFR 1.76	8. <input type="checkbox"/> CD-ROM or CD-R, in duplicate, large table or Computer Program (Appendix)  9. <input type="checkbox"/> Nucleotide and/or Amino Acid Sequence Submission (if applicable, all necessary) a. <input type="checkbox"/> Computer Readable Form (CRF) b. <input type="checkbox"/> Specification Sequence Listing on: i. <input type="checkbox"/> CD-ROM or CD-R (2 copies); or ii. <input type="checkbox"/> paper (identical to computer copy) c. <input type="checkbox"/> Statement verifying identity of above copies  <b>ACCOMPANYING APPLICATION PARTS</b>  10. <input type="checkbox"/> Assignment Papers/cover sheet & documents(s)  11. <input type="checkbox"/> 37 CFR 3.73(b) Statement (when there is an assignee) <input type="checkbox"/> Power of Attorney  12. <input type="checkbox"/> English Translation of Document (if applicable)  13. <input checked="" type="checkbox"/> Information Disclosure Statement/PTO-1449 <input checked="" type="checkbox"/> Copies of IDS Citations  14. <input type="checkbox"/> Preliminary Amendment  15. <input checked="" type="checkbox"/> Return Receipt Postcard (MPEP 503) (Should be specifically itemized)  16. <input checked="" type="checkbox"/> Certified Copy of Priority Document(s) (if foreign priority is claimed)  17. <input type="checkbox"/> Request and Certification Under 35 U.S.C. §122(b)(2)(B)(ii)  18. <input type="checkbox"/> Other: _____ _____
18a. Other: PURSUANT TO 35 U.S.C. §119, APPLICANT HEREBY CLAIMS PRIORITY TO FRENCH PATENT APPLICATION 00 06065, FILED MAY 12, 2000.	

## French Language Declaration

Je revendique par le présent acte avoir la priorité étrangère, en vertu du Titre 35, §119(a)-(d) ou § 365(b) du Code des Etats-Unis, sur toute demande étrangère de brevet ou certificat d'inventeur ou, en vertu du Titre 35, § 365(a) du même Code, sur toute demande internationale PCT désignant au moins un pays autre que les Etats-Unis et figurant ci-dessous et, en cochant la case, j'ai aussi indiqué ci-dessous toute demande étrangère de brevet, tout certificat d'inventeur ou toute demande internationale PCT ayant une date de dépôt précédant celle de la demande à propos de laquelle une priorité est revendiquée.

Prior foreign application(s)

Demande(s) de brevet antérieure(s)

00/06065

(Number)  
(Numéro)

FRANCE

(Country)  
(Pays)

(Number)  
(Numéro)

(Country)  
(Pays)

Je revendique par le présent acte tout bénéfice, en vertu du Titre 35 §119(e) du Code des Etats-Unis, de toute demande de brevet provisoire effectuée aux Etats-Unis et figurant ci-dessous.

(Application No.)  
(N° de demande)

(Filing Date)  
(Date de dépôt)

(Application No.)  
(N° de demande)

(Filing Date)  
(Date de dépôt)

Je revendique par le présent acte, le bénéfice, en vertu du Titre 35 § 120 du Code des Etats-Unis, de toute demande de brevet effectuée aux Etats-Unis, ou en vertu du Titre 35, § 365(c) du même Code, de toute demande internationale PCT désignant les Etats-Unis et figurant ci-dessous et, dans la mesure où l'objet de chacune des revendications de cette demande de brevet n'est pas divulgué dans la demande antérieure américaine ou internationale PCT, en vertu des dispositions du premier paragraphe du Titre 35, § 112 du Code des Etats-Unis, je reconnais devoir divulguer toute information pertinente à la brevetabilité, comme défini dans le Titre 37, § 1.56 du Code Fédéral des réglementations, dont j'ai pu disposer entre la date de dépôt de la demande antérieure et la date de dépôt de la demande nationale ou internationale PCT de la présente demande:

(Application No.)  
(N° de Demande)

(Filing Date)  
(Date de Dépôt)

(Application No.)  
(N° de Demande)

(Filing Date)  
(Date de Dépôt)

Je déclare par le présent acte que toute déclaration ci-incluse est, à ma connaissance, véridique et que toute déclaration formulée à partir de renseignements ou de suppositions est tenue pour véridique; et de plus, que toutes ces déclarations ont été formulées en sachant que toute fausse déclaration volontaire ou son équivalent est passible d'une amende ou d'une incarcération, ou des deux, en vertu de la Section 1001 du Titre 18 du Code des Etats-Unis, et que de telles déclarations volontairement fausses risquent de compromettre la validité de la demande de brevet ou du brevet délivré à partir de celle-ci.

I hereby claim foreign priority under Title 35, United States Code, §119(a)-(d) or § 365(b) of any foreign applications(s) for patent or inventor's certificate, or § 365(a) of any PCT International application which designated at least one country other than the United States, listed below, and have also identified below, by checking the box, any foreign application for patent or inventor's certificate, or PCT International application having a filing date before that of the application on which priority is claimed:

12 May 2000

(Day/Month/Year Filed)

(Jour/Mois/Année de dépôt)

Priority not claimed  
Droit de priorité non revendiqué

☐

(Day/Month/Year Filed)

(Jour/Mois/Année de dépôt)

☐

I hereby claim the benefit under Title 35, United States Code, § 119(e) of any United States provisional application(s) listed below.

I hereby claim the benefit under Title 35, United States Code, §120 of any United States application(s) or § 365(c) of any PCT international application(s) designating the United States, listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States or PCT International application in the manner provided by the first paragraph of Title 35, United States Code, §112, I acknowledge the duty to disclose information which is material to patentability as defined in Title 37, Code of Federal Regulations, §1.56 which became available between the filing date of the prior application and the national or PCT International filing date of this application:

(Status)(Patented, pending abandoned)  
(Statut)(breveté, en cours d'examen, abandonné)

JUN 13 2005

(Status)(Patented, pending abandoned)  
(Statut)(breveté, en cours d'examen, abandonné)

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

## French Language Declaration

POUVOIR: En tant que l'inventeur cité, je désigne par la présente l'(les) avocat(s) et/ou agent(s) suivant(s) pour qu'il(s) poursuive(nt) la procédure de cette demande de brevet et traite(nt) toute affaire s'y rapportant avec l'Office des brevets et des marques: (mentionner le nom et le numéro d'enregistrement).

POWER OF ATTORNEY: As a named inventor, I hereby appoint the following attorney(s) and/or agent(s) to prosecute this application and transact all business in the Patent and Trademark Office connected therewith. (list name and registration number)

David Wolf	17,528	Peter C. Lando	34,654	Paul D. Sorkin	40,212	Stephen R. Finch	42,534
George L. Greenfield	17,756	Gary S. Engelson	35,128	John R. VanAmsterdam	33,228	Joseph Teja, Jr.	45,157
Stanley Sacks	19,900	Peter J. Gordon	35,164	Matthew B. Lowrie	36,904	Jeffrey B. Powers	45,021
Edward F. Perlman	28,105	Randy J. Pritzker	35,986	Robert E. Rigby, Jr.	41,316	Alan W. Steele	45,128
Lawrence M. Green	29,384	Richard F. Giunta	36,149	Robert A. Skrivane, Jr.	40,886	Daniel P. McLoughlin	46,066
Steven J. Henry	27,900	Douglas R. Wolf	36,971	Robert M. Abrahamsen	37,482	Robert H. Walat	46,324
Edward R. Gates	31,616	Elizabeth R. Plumer	36,637	Alan B. Sherr	42,147	Thomas G. Field	45,596
Therese A. Hendricks	30,389	Timothy J. Oyer	36,628	Edward J. Russavage	43,069	Michael J. Pomianek	46,190
William R. McClellan	29,409	John N. Anastasi	37,765	William G. Gosz	27,787	M. Brad Lawrence	P-47,210
Ronald J. Krandsdorf	20,004	Helen C. Lockhart	39,248	Neil P. Ferraro	39,188	Theodore E. Galanthay	24,122
M. Lawrence Oliverio	30,915	James M. Hanifin, Jr.	37,929	Lisa E. Winsor	44,405	Lisa K. Jorgenson	34,845
Jason M. Honeyman	31,624	Christopher S. Schultz	39,039	Mark Steinberg	40,829	Robert D. McCutcheon	38,717
James H. Morris	34,681						

Adresser toute correspondance à:

Send correspondence to:

James H. Morris  
Wolf, Greenfield & Sacks, P.C.  
Federal Reserve Plaza  
600 Atlantic Avenue, Boston, MA 02210-2211(USA)

Adresser tout appel téléphonique à:  
(Nom et numéro de téléphone)

Direct Telephone Calls to: (name and telephone number)  
James H. Morris  
(617) 720-3500

Nom complet de l'unique ou premier inventeur <b>Luc WUIDART</b>		Full name of sole or first inventor	
Signature de l'inventeur <i>Luc Wuidart</i>	Date <i>May 31, 2001</i>	Inventor's signature	Date
Domicile <b>83910 POURRIERES, FRANCE</b>		Residence	
Nationalité <b>Belgian</b>		Citizenship	
Adresse Postale <b>12 Lotissement Le Cade</b>		Post Office Address	
Nom complet du second co-inventeur, le cas échéant		Full name of second or joint inventor	
Signature de l'inventeur	Date	Inventor's signature	Date
Domicile		Residence	
Nationalité		Citizenship	
Adresse Postale		Post Office Address	
(Fournir les mêmes renseignements et la signature de tout co-inventeur supplémentaire.)		(Supply similar information and signature for third and sub-sequent joint inventors.)	

JUN 13 2005



US006879246B2

(12) **United States Patent**  
**Wuidart**(10) Patent No.: **US 6,879,246 B2**  
(45) Date of Patent: **Apr. 12, 2005**(54) **EVALUATION OF THE NUMBER OF  
ELECTROMAGNETIC TRANSPONDERS IN  
THE FIELD OF A READER**(75) Inventor: **Luc Wuidart, Pourrieres (FR)**(73) Assignee: **STMicroelectronics S.A., Montrouge  
(FR)**(\*) Notice: Subject to any disclaimer, the term of this  
patent is extended or adjusted under 35  
U.S.C. 154(b) by 541 days.(21) Appl. No.: **09/853,890**(22) Filed: **May 11, 2001**(65) **Prior Publication Data**

US 2002/0021207 A1 Feb. 21, 2002

(30) **Foreign Application Priority Data**

May 12, 2000 (GB) ..... 0006065

(51) Int. Cl.<sup>7</sup> ..... **H04Q 1/00**(52) U.S. Cl. .... **340/10.2; 340/10.32**(58) Field of Search ..... **340/825.54, 10.2,  
340/870.32, 10.71, 10.32**(56) **References Cited****U.S. PATENT DOCUMENTS**

2,411,555 A	11/1946	Rogers
3,618,089 A	11/1971	Moran, Jr. et al.
4,068,232 A	1/1978	Meyers et al.
4,209,783 A	6/1980	Ohyama et al.
4,278,977 A	7/1981	Nossen
4,375,289 A	3/1983	Schmall et al.
4,408,185 A	10/1983	Rasmussen
4,593,412 A	6/1986	Jacob
4,656,472 A	4/1987	Walton
4,660,192 A	4/1987	Pomatto, Sr.
4,673,932 A *	6/1987	Ekchian et al. .... 340/10.32
4,706,050 A	11/1987	Andrews
4,782,308 A	11/1988	Trobec et al.
4,802,080 A	1/1989	Bossi et al.
4,814,595 A	3/1989	Gilboa

(Continued)

**FOREIGN PATENT DOCUMENTS**

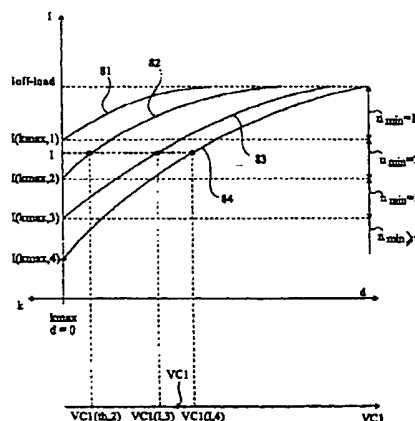
EP	0 369 622	5/1990
EP	0 568 067 A	11/1993
EP	0 579 332 A1	1/1994
EP	0 645 840 A	3/1995
EP	0 768 540	4/1997
EP	0 857 981 A1	8/1998
EP	0 902 475 A	3/1999
GB	2 298 553 A	9/1996
GB	2 321 726 A1	8/1998
JP	407245946 A	9/1995
JP	10-145267	5/1998
JP	10-203066	8/1998
WO	93/17482	9/1993
WO	98/20363	5/1998
WO	99/33017	7/1999
WO	9943096	8/1999

**OTHER PUBLICATIONS**French Search Report from French Patent Application No.  
99 09563, filed Jul. 20, 1999.French Search Report from French Patent Application No.  
98 08025, filed Jun. 20, 1998.French Search Report from French Patent Application No.  
99 04547, filed Apr. 7, 1999.

(Continued)

*Primary Examiner*—Brian Zimmerman(74) *Attorney, Agent, or Firm*—Lisa K. Jorgenson; James  
H. Morris; Wolf, Greenfield & Sacks, P.C.(57) **ABSTRACT**

A terminal for generating a high-frequency electromagnetic field by an oscillating circuit, adapted to cooperating with at least one transponder when the transponder enters this field, and a method for establishing a communication between the devices, including circuitry for regulating the signal phase in the oscillating circuit with respect to a reference value and circuitry for evaluating, based on a measurement of the current in the oscillating circuit, the minimum number of transponders present in the field.

**25 Claims, 5 Drawing Sheets**

UNITED STATES PATENT AND TRADEMARK OFFICE  
**CERTIFICATE OF CORRECTION**

PATENT NO. : 6,879,246 B2  
DATED : April 12, 2005  
INVENTOR(S) : Luc Wuidart

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

On the title page, item (30) should read:

**(30) Foreign Application Priority Data**  
May 12, 2000 (FR).....0006065

MAILING ADDRESS OF SENDER

James H. Morris  
Wolf, Greenfield & Sacks, P.C.  
600 Atlantic Avenue  
Boston, Massachusetts 02210

PATENT NO. 6,897,133

JUN 13 2005